

ABSTRACT OF THE DISCLOSURE

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The present invention provides a method to configure the hardware and software resources in a system to utilize two physical interface boards in pairs such that their aggregate units of voice processing DSP resources can be applied to either all of a T1 board's physical interfaces or all of an E1 board's physical interfaces. This allows a single telecommunications system to run as either T1 or E1 with no additional hardware required. The present invention also provides the ability to run protocols normally associated with T1 physical interfaces on a card with only E1 physical interfaces. A method for changing the configuration from T1 to E1 and from E1 to T1 is provided as well. Additionally, the method includes configuring the system to look like a single set of contiguous T1 or E1 channels. Additionally, the method allows for monitoring audio by switching the Pulse Code Modulated (PCM) audio streams from/to an audio enabled resource board and switching between listening to Mu-law encoded audio for T1 and A-law encoded audio for E1. The present invention also permits the system to be cabled as T1 and E1 at the same time.